

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C 371.**

ATTORNEY'S DOCKET NUMBER
3136.ARTH.PT

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

107510357

PRIORITY DATE CLAIMED
5 April 2002

INTERNATIONAL APPLICATION NO.
PCT/SG2003/000074

INTERNATIONAL FILING DATE
4 April 2003

TITLE OF INVENTION

METHOD FOR FORMING A MODIFIED SEMICONDUCTOR HAVING A PLURALITY OF BAND GAPS

APPLICANT(S) FOR DO/EO/US

TENG, Jing Hua; CHUA, Soo Jin; DONG, Jian Rong

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: (1) Complimentary copy of WIPO International Publication Number WO 2003/085741 A1
 (2) Complimentary copy of Corrected Version of WIPO International Publication Number
 WO 2003/085741 A1 (cover sheet only)
 (3) Return Postcard

| U.S. APPLICATION NO. (if known, see 37 CFR 1.53) | | INTERNATIONAL APPLICATION NO. PCT/SG2003/000074 | | ATTORNEY'S DOCKET NUMBER 3136.ARTH.PT | | | | | | | | | | | | | | | | | | | | |
|--|--------------|--|------------------|--|------|--------------|----------|----|-----------|--------------------|--------|---|-----------|---|--|--|------------|--------------------------------------|--|--|--|-----------|--|--|
| <p>21. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a)(1) - (5)):</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO. \$950.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4). \$750.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4). \$100.00</p> <p>ENTER APPROPRIATE BASIC FEE AMOUNT =</p> | | CALCULATIONS | | PTO USE ONLY | | | | | | | | | | | | | | | | | | | | |
| | | \$1110.00 | | | | | | | | | | | | | | | | | | | | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | \$ | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>43 -20 =</td> <td>23</td> <td>X \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>3 -3 =</td> <td>0</td> <td>X \$88.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td></td> <td>+ \$300.00</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> </tr> </tbody> </table> | | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | 43 -20 = | 23 | X \$18.00 | Independent claims | 3 -3 = | 0 | X \$88.00 | MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$300.00 | TOTAL OF ABOVE CALCULATIONS = | | | | \$1524.00 | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | | | | | | | |
| Total claims | 43 -20 = | 23 | X \$18.00 | | | | | | | | | | | | | | | | | | | | | |
| Independent claims | 3 -3 = | 0 | X \$88.00 | | | | | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$300.00 | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½. | | \$ | | | | | | | | | | | | | | | | | | | | | | |
| | | SUBTOTAL = | | \$1524.00 | | | | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | \$ | | | | | | | | | | | | | | | | | | | | | | |
| | | TOTAL NATIONAL FEE = | | \$1524.00 | | | | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | + | | \$40.00 | | | | | | | | | | | | | | | | | | | | |
| | | TOTAL FEES ENCLOSED = | | \$1564.00 | | | | | | | | | | | | | | | | | | | | |
| | | Amount to be refunded: | | \$ | | | | | | | | | | | | | | | | | | | | |
| | | Amount to be charged: | | \$ | | | | | | | | | | | | | | | | | | | | |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$ 1564.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>50-0881</u> in the amount of <u>\$</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge additional fees which may be required, or credit any overpayment to deposit Account No. <u>50-0881</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| SEND ALL CORRESPONDENCE TO : | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Julie K. Morris MORRISS O'BRYANT COMPAGNI, PC 136 South Main, Suite 700 Salt Lake City, Utah 84101 (801) 478-0071 phone / (801) 478-0076 facsimile</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><i>Julie K. Morris</i></p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SIGNATURE _____ NAME _____ 33,263 REGISTRATION NUMBER _____</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| CERTIFICATE OF MAILING UNDER 37 CFR § 1.10 | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>I hereby certify that the items listed above in this transmittal sheet are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: MAIL STOP PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| Typed or Printed Name | | Julie K. Morris | Express Mail No. | EV 517447887 US | | | | | | | | | | | | | | | | | | | | |
| Signature | | <i>Julie K. Morris</i> | | Date <u>Oct. 5 2004</u> | | | | | | | | | | | | | | | | | | | | |